

DOI Work Activity 4R: Increase Power Supply

Program Area:	Water and Power
End Outcome Goal:	UEO 1 - ENERGY - Manage or Influence Resource Use to Enhance Public Benefit, Responsible Development, and Economic Value
Intermediate Outcome:	UIO 1.2 (Hydropower) - Improved Power Generation Management to Maximize Supply
DOI Sub process:	4c – Provide facilities

Examples/Notes:

Work Activity Description: Those physical plant modifications undertaken that **appreciably** increase the amount of potential megawatt capacity. This includes capital investments such as upgrades, turbine runner replacements and turbine rewinds to existing generating units.

Output: Megawatts	Unit of Measure: Increased megawatt capacity. The output is the increase in potential power production in megawatts from upgrades, replacements and rewinds. Increases from rewinds are defined as the original nameplate capacity of the generating unit since the rewind is, in theory, bringing the unit back to its original level of efficiency. Increases from unit replacements are defined by the nameplate capacity of the new unit. Increases from other improvements are determined through “uprate studies”.
Inputs: a) Labor and associated indirect costs, materials, equipment b) Power customer requests for additional power	Cost Drivers: Magnitude/complexity of capital investment required.

System Interfaces:

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